

SEQUENCE LISTING

<110> Brian Seed
Tara Pouyani

<120> P-SELECTIN LIGANDS AND RELATED MOLECULES AND METHODS

<130> 00786/284002

<140> 08/765,018

<141> 1996-11-25

<150> 60/000,213

<151> 1995-06-14

<150> 08/661,960

<151> 1996-06-12

<160> 17

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 10

<212> PRT

<213> Homo sapiens

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<210> 2

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<213> Homo sapiens

<400> 2

Met	Ala	Thr	Asn	Ser	Leu	Glu	Thr	Ser	Thr	Gly	Thr	Ser	Gly	Pro	Pro
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<210> 3

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<212> PRT

<213> Homo sapiens

<400> 3

Gln	Leu	Trp	Asp	Thr	Trp	Ala	Asp	Glu	Ala	Glu	Lys	Ala	Leu	Gly	Pro
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Leu	Leu	Ala	Arg	Asp	Arg	Arg	Gln	Ala	Thr	Glu	Tyr	Glu	Tyr	Leu	Asp
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Tyr	Asp	Phe	Leu	Pro	Glu	Thr	Glu	Pro	Pro						
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<211> 20

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<213> Homo sapiens

<400> 5

Arg Asp Arg Arg Gln Ala Thr Glu Phe Glu Phe Leu Asp Phe Asp Phe
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Leu Pro Glu Thr
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<210> 6

<211> 20

<212> PRT

<213> Homo sapiens

<400> 6

Arg Asp Arg Arg Gln Ala Ala Glu Tyr Glu Tyr Leu Asp Tyr Asp Phe
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Leu Pro Glu Ala
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<210> 7

<211> 20

<212> PRT

<213> Homo sapiens

<400> 7

Arg Asp Arg Arg Gln Ala Ala Glu Phe Glu Phe Leu Asp Phe Asp Phe
1 5 10 15
Leu Pro Glu Ala
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<210> 8

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<212> DNA

<213> Homo sapiens

<400> 8

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tcggtgaagg	tctcctgcaa	ggcttctgga	ggcaccttca	gcagctatgc	tatcagctgg	180
gtgcgacagg	cccctggaca	agggcttgag	tggatgggag	ggatcatccc	tatctttggt	240
acagcaaact	acgcacagaa	gttccagggc	agagtcacga	ttaccgcgga	cgaatccacg	300
agcacagcct	acatggagct	gagcagcctg	agatctgagg	acacggccgt	gtattactgt	360
gcgagagata	atggagcgta	ttgtagtggg	ggtagctgct	actcgggctg	gttcgacccc	420
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cccgtggggg	gcgagggcca	catggacaga	ggcgggctcg	gcccaccctc	tgccctgaga	1920
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tgcccccatc	ccgggatgag	ctgaccaaga	accagggtcag	cctgacctgc	ctggtcaaag	2040
gcttctatcc	cagcgacatc	gccgtggagt	gggagagcaa	tgggcagccg	gagaacaact	2100
acaagaccac	gcctcccgtg	ctggactccg	acggctcctt	cttcctctac	agcaagctca	2160
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ggccgggc						2287

<210> 9

<211> 442

<212> PRT

<213> Homo sapiens

<400> 9

Lys	Leu	Thr	Thr	Met	Asp	Trp	Thr	Trp	Arg	Phe	Leu	Phe	Phe	Val	Val
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Ala	Ala	Ala	Thr	Gly	Val	Gln	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly
			20					25					30		
Ala	Glu	Val	Lys	Lys	Pro	Gly	Ser	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala
			35				40					45			
Ser	Gly	Gly	Thr	Phe	Ser	Ser	Tyr	Ala	Ile	Ser	Trp	Val	Arg	Gln	Ala
	50					55					60				
Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	Gly	Gly	Ile	Ile	Pro	Ile	Phe	Gly
65				70					75					80	
Thr	Ala	Asn	Tyr	Ala	Gln	Lys	Phe	Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala
				85				90						95	
Asp	Glu	Ser	Thr	Ala	Arg	Asp	Asn	Gly	Ala	Tyr	Cys	Ser	Gly	Gly	Ser
			100					105					110		
Cys	Tyr	Ser	Gly	Trp	Phe	Asp	Pro	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
			115				120					125			
Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro
			130				135				140				
Ser	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val
145				150					155					160	
Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala
				165				170						175	
Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly

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actcctgggg	ggaccgtcag	tcttcctctt	ccccccaaaa	cccaaggaca	ccctcatgat	1200
ctcccggacc	cctgaggtca	catgcgtggt	ggtggacgtg	agccacgaag	accctgaggt	1260
caagttcaac	tgggtacgtg	acggcgtgga	ggtgcataat	gccaaagaca	agccgcggga	1320
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cggctccttc	ttcctctaca	gcaagctcac	cgtggacaag	agcaggtggc	agcaggggaa	1800
cgtcttctca	tgctccgtga	tgcatgaggc	tctgcacaac	cactacacgc	agaagagcct	1860
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<210> 11

<211> 437

<212> PRT

<213> Homo sapiens

<400> 11

Met	Ala	Leu	Ser	Trp	Val	Leu	Thr	Val	Leu	Ser	Leu	Leu	Pro	Leu	Leu
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Glu	Ala	Gln	Ile	Pro	Leu	Cys	Ala	Asn	Leu	Val	Pro	Val	Pro	Ile	Thr
			20					25					30		
Asn	Ala	Thr	Leu	Asp	Gln	Ile	Thr	Gly	Lys	Trp	Phe	Tyr	Ile	Ala	Ser
		35					40					45			
Ala	Phe	Arg	Asn	Glu	Glu	Tyr	Asn	Lys	Ser	Val	Gln	Glu	Ile	Gln	Ala
	50					55					60				
Thr	Phe	Phe	Tyr	Phe	Thr	Pro	Asn	Lys	Thr	Glu	Asp	Thr	Ile	Phe	Leu
65					70					75				80	
Arg	Glu	Tyr	Gln	Thr	Arg	Gln	Asp	Gln	Cys	Ile	Tyr	Asn	Thr	Thr	Tyr
				85					90					95	
Leu	Asn	Val	Gln	Arg	Glu	Asn	Gly	Thr	Ile	Ser	Arg	Tyr	Val	Gly	Gly
			100					105					110		
Gln	Glu	His	Phe	Ala	His	Leu	Leu	Ile	Leu	Arg	Asp	Thr	Lys	Thr	Tyr
		115					120					125			
Met	Leu	Ala	Phe	Asp	Val	Asn	Asp	Glu	Lys	Asn	Trp	Gly	Leu	Ser	Val
	130					135					140				
Tyr	Ala	Asp	Lys	Pro	Glu	Thr	Thr	Lys	Glu	Gln	Leu	Gly	Glu	Phe	Tyr
145				150					155					160	
Glu	Ala	Leu	Asp	Cys	Leu	Arg	Ile	Pro	Lys	Ser	Asp	Val	Val	Tyr	Thr
			165						170					175	
Asp	Trp	Lys	Lys	Asp	Lys	Cys	Glu	Pro	Leu	Glu	Lys	Gln	His	Glu	Lys
		180						185				190			
Glu	Arg	Lys	Gln	Glu	Glu	Gly	Glu	Ser	Asp	Pro	Glu	Gly	Glu	Pro	Lys
	195						200					205			
Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Pro	Glu	Leu
	210					215					220				
Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp	Thr
225				230					235					240	
Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp	Val
			245						250					255	
Ser	His	Glu	Asp	Pro	Glu	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly	Val
		260						265					270		
Glu	Val	His	Asn	Ala	Lys	Thr	Lys	Pro	Arg	Glu	Glu	Gln	Tyr	Asn	Ser

Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu	His	Gln	Asp	Trp	Leu
290						295					300				
Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	Asn	Lys	Ala	Leu	Pro	Ala
305					310					315					320
Pro	Ile	Glu	Lys	Thr	Ile	Ser	Lys	Ala	Lys	Gly	Gln	Pro	Arg	Glu	Pro
				325					330					335	
Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu	Leu	Thr	Lys	Asn	Gln
			340					345					350		
Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr	Pro	Ser	Asp	Ile	Ala
		355					360					365			
Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn	Asn	Tyr	Lys	Thr	Thr
	370					375					380				
Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe	Leu	Tyr	Ser	Lys	Leu
385					390					395					400
Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Val	Phe	Ser	Cys	Ser
				405					410					415	
Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser
			420					425					430		
Leu	Ser	Pro	Gly	Lys											
			435												

<210> 12

<211> 442

<212> PRT

<213> Homo sapiens

<400> 12

Lys	Leu	Thr	Thr	Met	Asp	Trp	Thr	Trp	Arg	Phe	Leu	Phe	Phe	Val	Val
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Ala	Ala	Ala	Thr	Gly	Val	Gln	Ser	Gln	Val	Gln	Leu	Val	Gln	Ser	Gly
			20					25					30		
Ala	Glu	Val	Lys	Lys	Pro	Gly	Ser	Ser	Val	Lys	Val	Ser	Cys	Lys	Ala
		35					40					45			
Ser	Gly	Gly	Thr	Phe	Ser	Ser	Tyr	Ala	Ile	Ser	Trp	Val	Arg	Gln	Ala
	50					55					60				
Pro	Gly	Gln	Gly	Leu	Glu	Trp	Met	Gly	Gly	Ile	Ile	Pro	Ile	Phe	Gly
65					70				75						80
Thr	Ala	Asn	Tyr	Ala	Gln	Lys	Phe	Gln	Gly	Arg	Val	Thr	Ile	Thr	Ala
				85					90					95	
Asp	Glu	Ser	Thr	Ala	Arg	Asp	Asn	Gly	Ala	Tyr	Cys	Ser	Gly	Gly	Ser
		100						105					110		
Cys	Tyr	Ser	Gly	Trp	Phe	Asp	Pro	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr
		115					120					125			
Val	Ser	Ser	Ala	Ser	Thr	Lys	Gly	Pro	Ser	Val	Phe	Pro	Leu	Ala	Pro
		130				135					140				
Ser	Ser	Lys	Ser	Thr	Ser	Gly	Gly	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val
145					150				155						160
Lys	Asp	Tyr	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala
				165					170					175	
Leu	Thr	Ser	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly
			180					185					190		
Leu	Tyr	Ser	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Asp	Lys
		195				200						205			
Lys	Val	Glu	Pro	Lys	Ser	Cys	Asp	Lys	Thr	His	Thr	Cys	Pro	Pro	Cys
	210					215					220				
Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro

225		230		235		240									
Lys	Pro	Lys	Asp	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys
			245						250					255	
Val	Val	Val	Asp	Val	Ser	His	Glu	Asp	Pro	Glu	Val	Asn	Phe	Ser	Trp
			260					265						270	
Tyr	Val	Asp	Gly	Val	Glu	Val	His	Asn	Asn	Lys	Thr	Lys	Pro	Arg	Glu
		275					280						285		
Glu	Asn	Tyr	Ser	Ser	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Leu
	290					295					300				
His	Gln	Asp	Trp	Leu	Asn	Gly	Lys	Glu	Tyr	Lys	Cys	Asn	Val	Ser	Asn
305				310						315					320
Lys	Ala	Leu	Pro	Ala	Pro	Ile	Glu	Lys	Asn	Ile	Ser	Lys	Ala	Lys	Gly
			325						330					335	
Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	Glu
		340						345					350		
Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	Tyr
		355					360					365			
Pro	Ser	Asp	Ile	Ala	Val	Glu	Trp	Glu	Ser	Asn	Gly	Gln	Pro	Glu	Asn
	370					375				380					
Asn	Tyr	Lys	Thr	Thr	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Phe	Phe
385				390					395						400
Leu	Tyr	Ser	Lys	Leu	Thr	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn
			405					410						415	
Val	Phe	Ser	Cys	Ser	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr
		420						425				430			
Gln	Lys	Ser	Leu	Ser	Leu	Ser	Pro	Gly	Lys						
	435					440									

<210> 13
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 13
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 Gly Thr Pro Glu Ser Thr Thr Val Glu Pro Ala Ala Arg Arg Ser Thr
 20 25 30
 Gly Leu Asp Ala Gly Gly Ala Val Thr Glu
 35 40

<210> 14
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 14
 Leu Thr Thr Glu Leu Ala Asn Met Gly Asn Leu Ser Thr Asp Ser Ala
 1 5 10 15

<210> 15
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 15
 Thr Gly Asp Tyr Tyr Glu Asp Ser Tyr Glu Asp Ile Ser

1

5

10

<210> 16

<211> 9

<212> PRT

<213> Homo sapiens

<400> 16

Glu Asp Tyr Glu Tyr Asp Glu Leu Pro

1

5

<210> 17

<211> 91

<212> PRT

<213> Homo sapiens

<400> 17

Ile Thr Thr Asn Ser Pro Glu Thr Ser Ser Arg Thr Ser Gly Ala Pro

1

5

10

15

Val Thr Thr Ala Ala Ser Ser Leu Glu Thr Ser Arg Gly Thr Ser Gly

20

25

30

Pro Pro Leu Thr Met Ala Thr Val Ser Leu Glu Thr Ser Lys Gly Thr

35

40

45

Ser Gly Pro Pro Val Thr Met Ala Thr Asp Ser Leu Glu Thr Ser Thr

50

55

60

Gly Thr Thr Gly Pro Pro Val Thr Met Thr Thr Gly Ser Leu Glu Pro

65

70

75

80

Ser Ser Gly Ala Ser Gly Pro Gln Val Ser Ser

85

90